

**Amendments to the Specification**

Please substitute the following paragraph at page 5 with the following replacement paragraph:

The hemicellulose may be present in the adhesive composition in any amount effective to provide bonding in connection with the intended use of the adhesive. The hemicellulose may be the sole or primary bonding agent in the adhesive composition, but it is contemplated that other bonding agents further may be present. Preferably, the hemicellulose is present in an amount of at least 10% by dry weight of the bonding agent in the adhesive composition. Most preferably, the hemicellulose is present in an amount of at least 45% or at least 50% by dry weight of the bonding agent in the adhesive composition. In some embodiments, the hemicellulose constitutes essentially 100% of the bonding agent. The remainder of the bonding agents, if any, in the adhesive composition may be starch-based.